

*Never stop,
Be a better self!*



AGENCY FOR ITALY  BERT ITALIA S.R.L.

UNIQUE SOLAR TRACKER

MORE THAN INNOVATION
DREAMS BUILT ALONG INGENUITY

HUAYUE NEW ENERGY is a supplier of photovoltaic tracking brackets to the entire industrial chain , a professional manufacturer of solar tracking systems, providing global customers with full material, full-featured, full-type solar tracking system. Core members and research and development teams have 11 years of experience in solar tracker design and manufacturing. Holding on the development concept of ingenuity and innovation, with the pursuit of excellence in the spirit of creativity, excellence in the spirit of quality, user-oriented service spirit, we give products high-performance and superior quality, and bring higher return on investment to global users.



BERT ITALIA S.R.L.

Single Axis

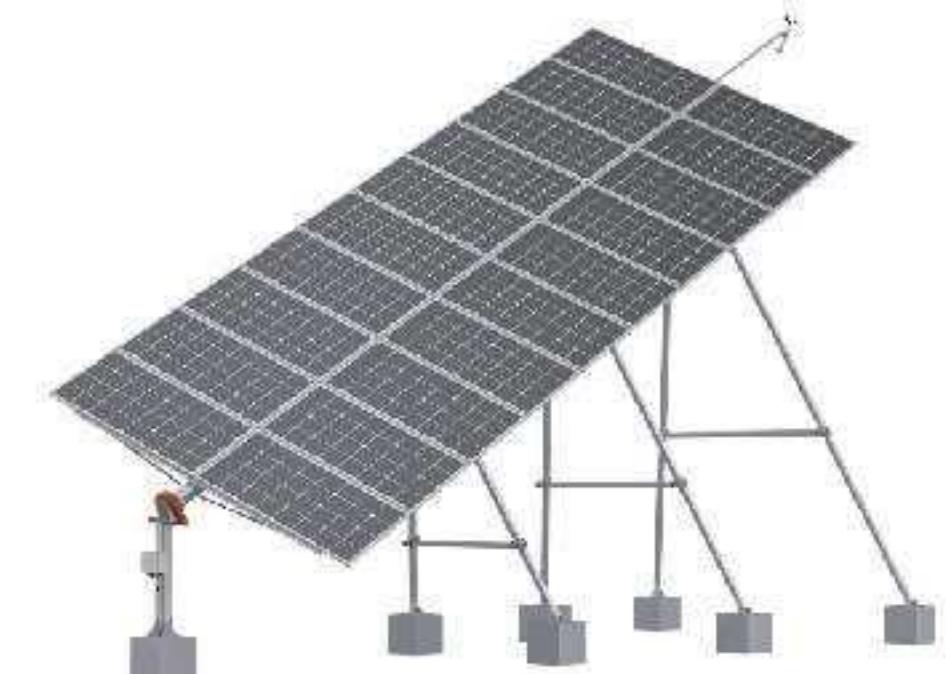
Great Wall Series

- Horizontal single axis solar tracker Capacity 17 kw~129 kw
- Horizontal tilt single axis solar tracker Capacity 12 kw~86 kw



Stardust Series

- Tilt single axis solar tracker
- Capacity 6 kw~20 kw



Welkin Series (Matrix linkage)

- Horizontal single axis solar tracker Capacity 52 kw~142 kw
- Horizontal tilt single axis solar tracker Capacity 38 kw~104 kw



Dual Axis

Venus Series

- Capacity 2 kw~7 kw



Athena Series

- Capacity 3 kw~9 kw



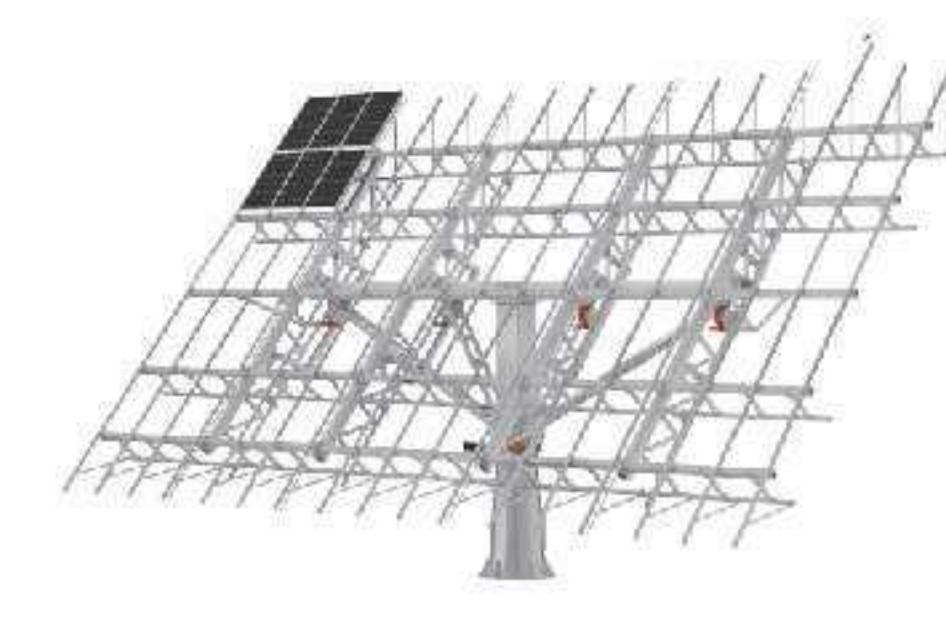
Poseidon Series

- Capacity 10 kw~20 kw



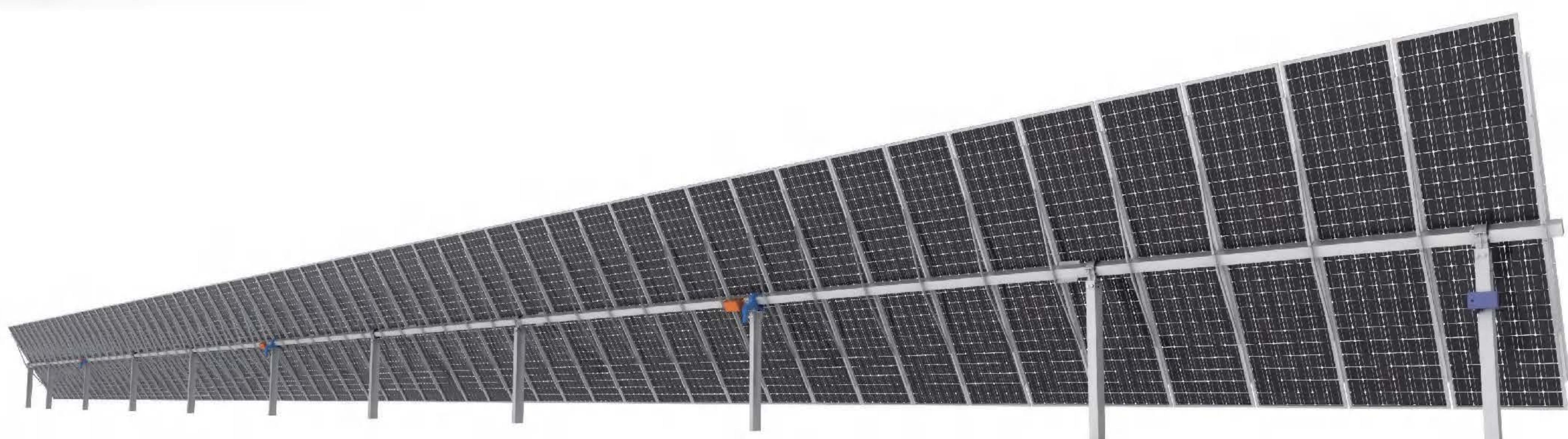
Titans Series

- Capacity 20 kw~40 kw



BERT ITALIA S.R.L.

- Compatible with common components and bifacial double -glass components
- Multi-point drive solutions, such as, multi-Linear, multi-slewing,etc available for different needs.
- With split pile foundation, integrated steel pile and other solutions
- Solutions for different terrains, such as, flat, slope, etc



Product Details

HYP : Horizontal single axis solar tracker

PV : Module number

78 Cells : 400w~540w

IR/M : Independent Row/Multipoint drive

2/3/4/5/6 SD : slewing drive * 2/3/4/5/6

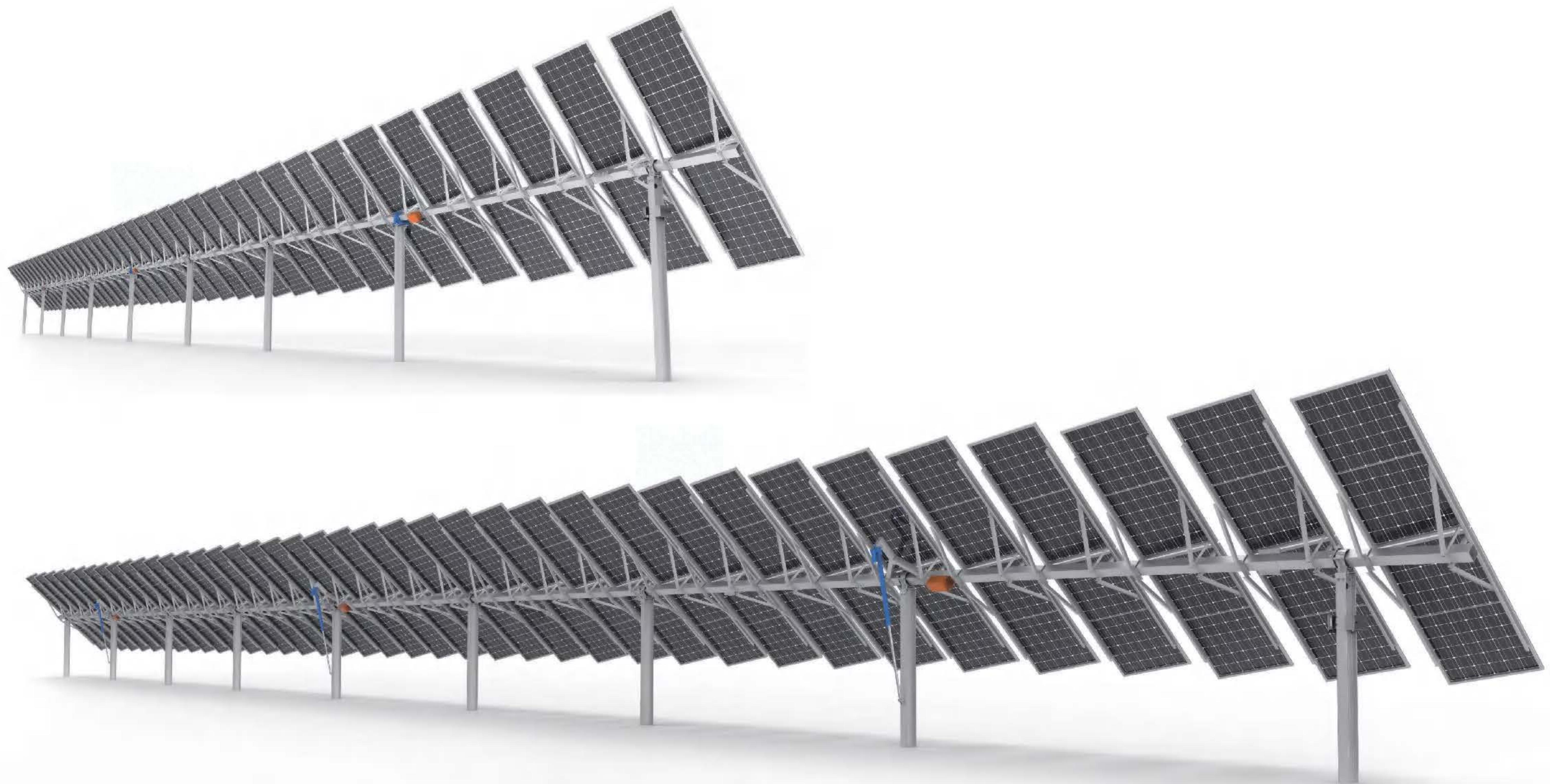
2/3/4/6/7/8 LD : linear drive * 2/3/4/6/7/8

S/I : Split pile foundation base / One-piece all-steel pile

F/S : Flat/sloping ground

| Model | Module number | Grid area | Module Size | Wind Load | Azimuth tracking range (°) | Control algorithm | Protection level |
|---------------------------------|---------------|--------------------|--------------|-----------|----------------------------|--|------------------|
| HYP-2-26PV-78-IR-SD-S/I-F/S | 2×13 | 69 m ² | | | | | |
| HYP-2-28PV-78-IR-SD-S/I-F/S | 2×14 | 74 m ² | | | | | |
| HYP-2-44PV-78-IR-SD-S/I-F/S | 2×22 | 115 m ² | | | | | |
| HYP-2-60PV-78-IR-SD-S/I-F/S | 2×30 | 160 m ² | | | | | |
| HYP-2-90PV-78-IR/M-2SD-S/I-F/S | 2×45 | 235 m ² | | | | | |
| HYP-2-120PV-78-IR/M-3SD-S/I-F/S | 2×60 | 315 m ² | | | | | |
| HYP-2-180PV-78-IR/M-4SD-S/I-F/S | 2×90 | 470 m ² | | | | | |
| HYP-2-210PV-78-IR/M-5SD-S/I-F/S | 2×105 | 550 m ² | | | | | |
| HYP-2-240PV-78-IR/M-6SD-S/I-F/S | 2×120 | 630 m ² | | | | | |
| HYP-2-44PV-78-IR-2LD-I/S-F/S | 2×22 | 115 m ² | ≤2256*1135mm | 37m/s | - 60° ~ + 60° | Astronomical algorithm + position sensor closed loop control | IP65 |
| HYP-2-60PV-78-IR-2LD-I/S-F/S | 2×30 | 160 m ² | | | | | |
| HYP-2-90PV-78-IR/M-3LD-I/S-F/S | 2×45 | 235 m ² | | | | | |
| HYP-2-120PV-78-IR/M-4LD-I/S-F/S | 2×60 | 315 m ² | | | | | |
| HYP-2-180PV-78-IR/M-6LD-I/S-F/S | 2×90 | 470 m ² | | | | | |
| HYP-2-210PV-78-IR/M-7LD-I/S-F/S | 2×105 | 550 m ² | | | | | |
| HYP-2-240PV-78-IR/M-8LD-I/S-F/S | 2×120 | 630 m ² | | | | | |

- Compatible with common components and bifacial double -glass components
- Multi-point drive solutions, such as, multi-Linear, multi-slewing,etc available for different needs.
- With split pile foundation, integrated steel pile and other solutions
- Solutions for different terrains, such as, flat, slope, etc



Product Details

HYFT : Horizontal tilt single axis solar tracker

15 : Y axis tilt degree

PV : Module number

78 Cells : 400w~540w

IR/M : Independent Row/Multipoint drive

2/3/4/5/6 SD : slewing drive * 2/3/4/5/6

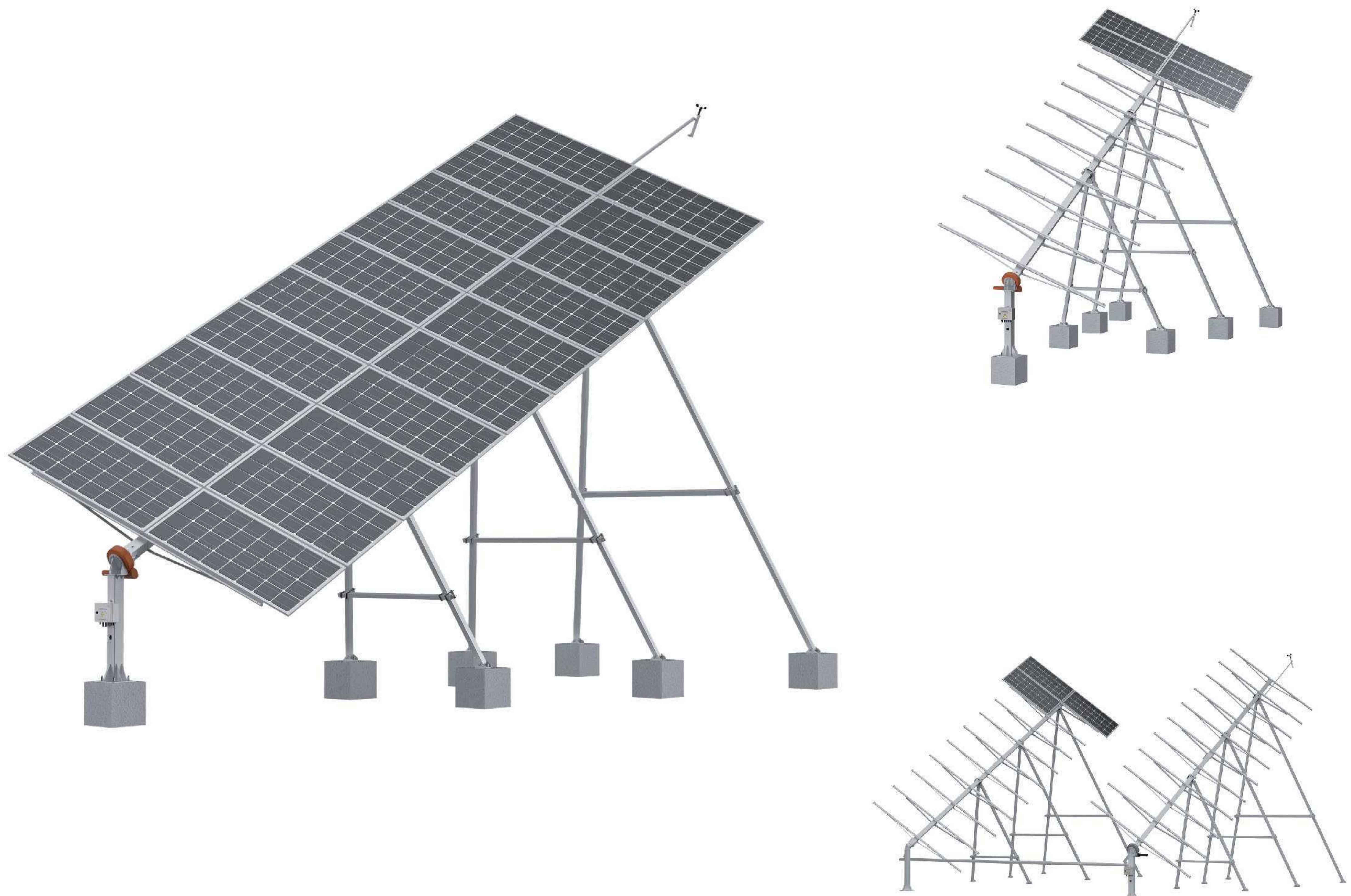
2/3/4/6/7/8 LD : linear drive * 2/3/4/6/7/8

S/I : Split pile foundation base / One-piece all-steel pile

F/S : Flat/sloping ground

| Model | Module number | Grid area | Module Size | Wind Load | Azimuth tracking range (°) | Control algorithm | Protection level |
|------------------------------------|---------------|--------------------|--------------|-----------|----------------------------|--|------------------|
| HYFT15-2-30PV-78-IR-SD-I/S-F/S | 30 | 80 m ² | | | | | |
| HYFT15-2-40PV-78-IR-SD-I/S-F/S | 40 | 105 m ² | | | | | |
| HYFT15-2-60PV-78-IR/M-2SD-I/S-F/S | 60 | 158 m ² | | | | | |
| HYFT15-2-80PV-78-IR/M-3SD-I/S-F/S | 80 | 210 m ² | | | | | |
| HYFT15-2-120PV-78-IR/M-4SD-I/S-F/S | 120 | 315 m ² | | | | | |
| HYFT15-2-140PV-78-IR/M-5SD-I/S-F/S | 140 | 368 m ² | | | | | |
| HYFT15-2-160PV-78-IR/M-6SD-I/S-F/S | 160 | 420 m ² | | | | | |
| HYFT15-2-30PV-78-IR-LD-I/S-F/S | 30 | 80 m ² | ≤2256*1135mm | 37m/s | -60°~+ 60° | Astronomical algorithm + position sensor closed loop control | IP65 |
| HYFT15-2-40PV-78-IR-LD-I/S-F/S | 40 | 105 m ² | | | | | |
| HYFT15-2-60PV-78-IR/M-2LD-I/S-F/S | 60 | 158 m ² | | | | | |
| HYFT15-2-80PV-78-IR/M-3LD-I/S-F/S | 80 | 210 m ² | | | | | |
| HYFT15-2-120PV-78-IR/M-4LD-I/S-F/S | 120 | 315 m ² | | | | | |
| HYFT15-2-140PV-78-IR/M-5LD-I/S-F/S | 140 | 368 m ² | | | | | |
| HYFT15-2-160PV-78-IR/M-6LD-I/S-F/S | 160 | 420 m ² | | | | | |

- Compatible with common components and bifacial double -glass components
- Depending on the different needs, there are single-drive and linkage transmission options for choice
- Depending on the installation location, the tilt angle of 20-30 degrees can be choosed or customized

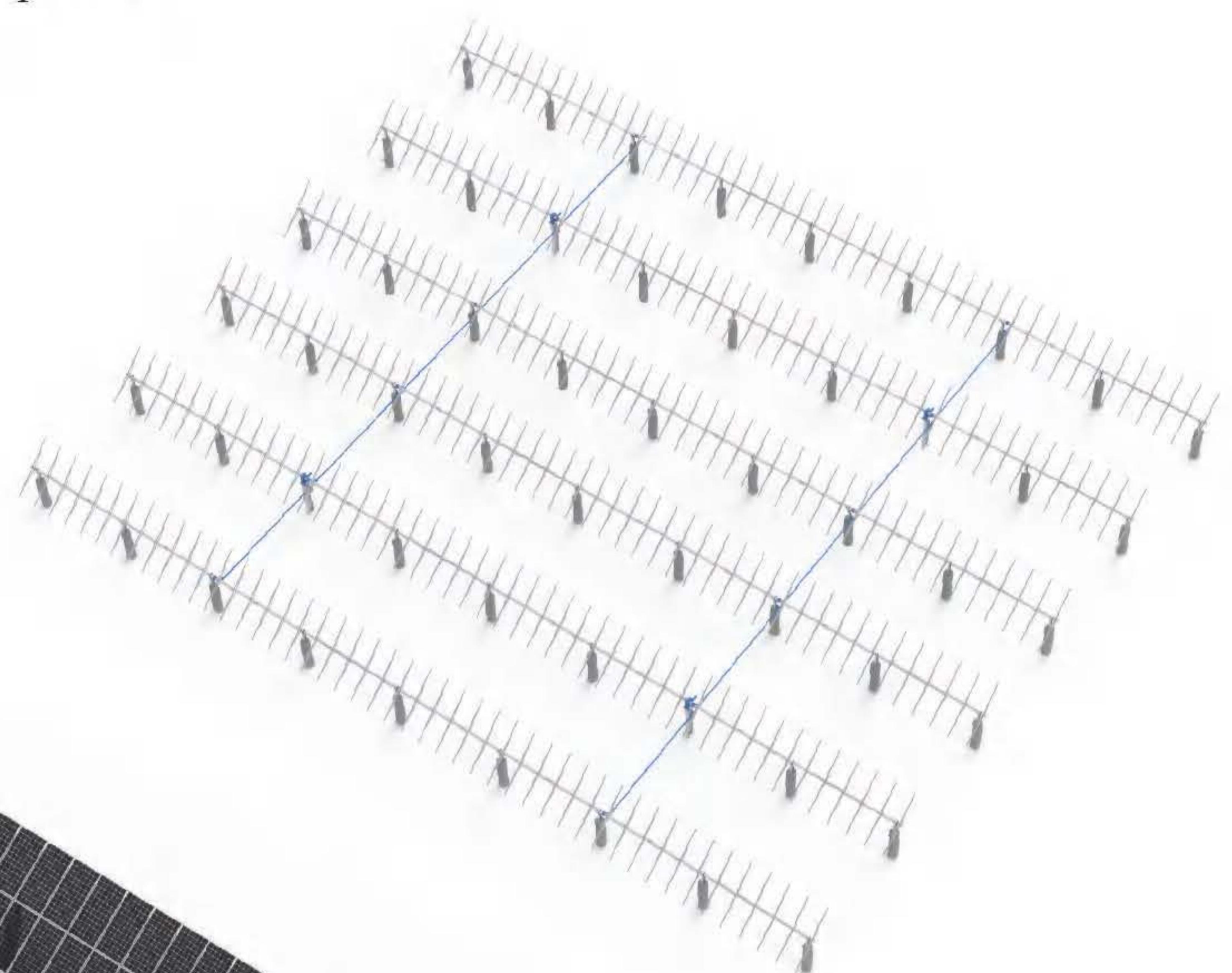


Product Details

| | | | |
|--|----------------------------|--------------------|----------------------|
| HYX : Tilt single axis track solar tracker | 20/30 : Y axis tilt degree | PV : Module number | 78 Cells : 400w~540w |
| IR : Independent Row | ML : Matrix linkage | SD : slewing drive | |

| Model | Module number | Grid area | Module Size | Wind Load | Azimuth tracking range (°) | Control algorithm | Protection level |
|------------------------------|---------------|--------------------------|---------------------|--------------|----------------------------|---|------------------|
| HYX20-2-20PV-78-IR-SD | 2*10 | 52 m² | | | -60°~+ 60° | | |
| HYX20-2-40PV-78-ML-SD | 2*10*2 | 105 m² | | | -45°~+ 45° | | |
| HYX30-2-20PV-78-IR-SD | 2*10 | 52 m² | | | -60°~+ 60° | | |
| HYX30-2-40PV-78-ML-SD | 2*10*2 | 105 m² | | | -45°~+ 45° | | |
| HYX20-2-16PV-78-IR-SD | 2*8 | 42 m² | | | -60°~+ 60° | | |
| HYX20-2-32PV-78-ML-SD | 2*8*2 | 84 m² | | | -45°~+ 45° | | |
| HYX30-2-16PV-78-IR-SD | 2*8 | 42 m² | | | -60°~+ 60° | | |
| HYX30-2-32PV-78-ML-SD | 2*8*2 | 84 m² | | | -45°~+ 45° | | |
| | | | ≤2256*1135mm | 37m/s | | | |
| | | | | | | Astronomical algorithm + position sensor closed loop control | IP65 |

- Compatible with common components and bifacial double -glass components
- With split pile foundation, integrated steel pile and other solutions
- Solutions for different terrains, such as, flat, slope, etc



Product Details

HYP : Horizontal single axis solar tracker

PV : Module number

78 Cells: 400W~540W

ML : Matrix linkage

SD : Slewing drive

I : One-piece all-steel pile

S : Split pile foundation base

F/S : Flat/sloping ground

| Model | Module number | Grid area | Module Size | Wind Load | Azimuth tracking range (°) | Control algorithm | Protection level |
|------------------------------|---------------|--------------------|--------------|-----------|----------------------------|------------------------------------|------------------|
| HYP-2-132PV-78-ML-SD-I/S-F/S | 2×22×3 | 350 m ² | ≤2256*1135mm | | | Astronomical | |
| HYP-2-264PV-78-ML-SD-I/S-F/S | 2×22×6 | 700 m ² | ≤2256*1135mm | 37m/s | -45°~+45° | algorithm + position sensor closed | |
| HYP-2-132PV-78-ML-LD-I/S-F/S | 2×22×3 | 350 m ² | ≤2256*1135mm | | | loop control | IP65 |
| HYP-2-264PV-78-ML-LD-I/S-F/S | 2×22×6 | 700 m ² | ≤2256*1135mm | | | | |

- Compatible with common components and bifacial double -glass components
- With split pile foundation, integrated steel pile and other solutions
- Solutions for different terrains, such as, flat, slope, etc



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■ Product Details

HYFT : Horizontal tilt single axis solar tracker

15 : Y axis tilt degree

PV : Module number

78 Cells : 400W~540W

ML : Matrix linkage

SD : Slewing drive

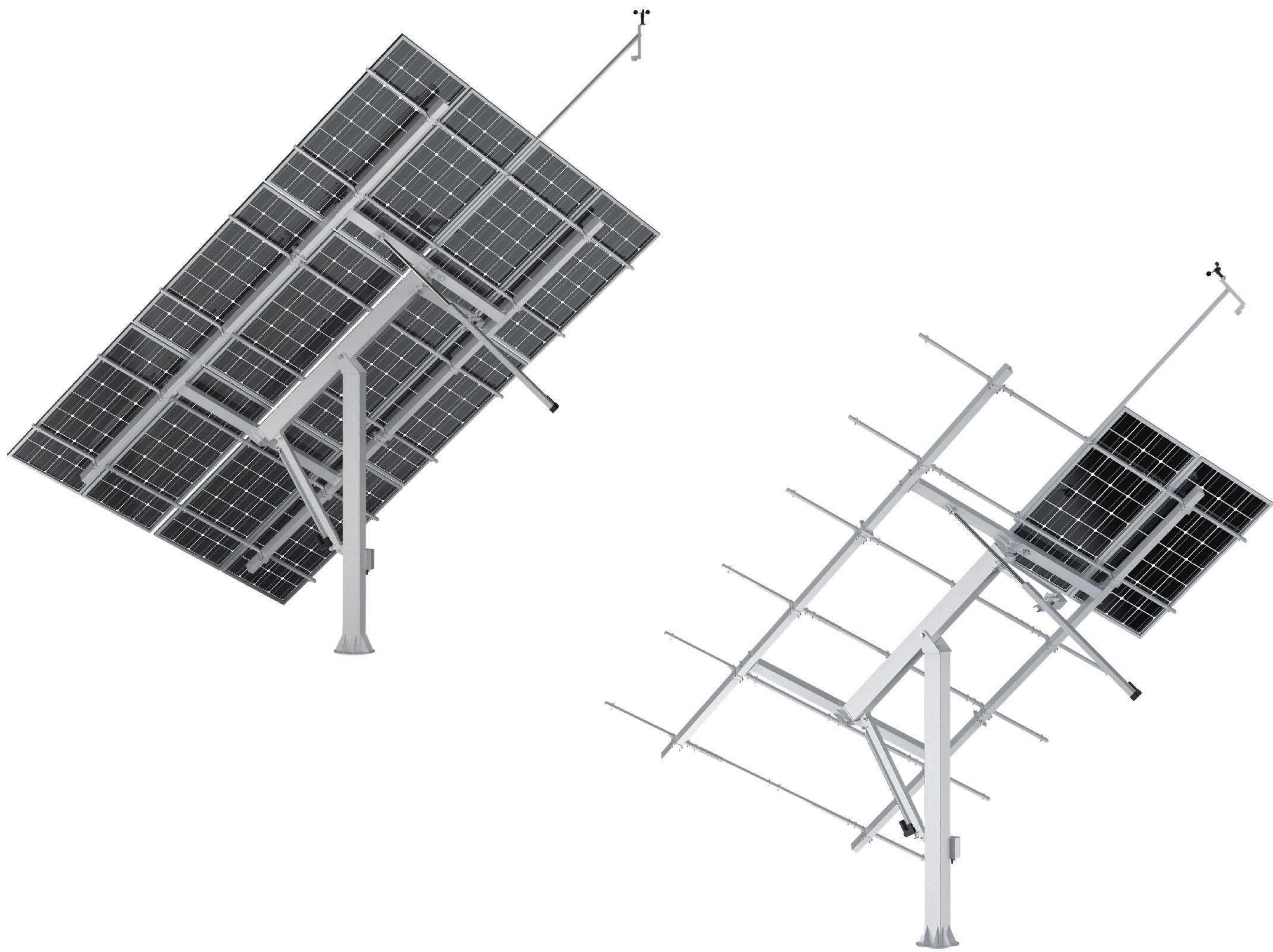
S : Split pile foundation base

I : One-piece all-steel pile

F/S : Flat/sloping ground

| Model | Module number | Grid area | Module Size | Wind Load | Azimuth tracking range (°) | Control algorithm | Protection level |
|---------------------------------|---------------|--------------------|--------------|-----------|----------------------------|--|------------------|
| HYFT15-2-96PV-78-ML-SD-I/S-F/S | 2×16×3 | 252 m ² | ≤2256*1135mm | | | | |
| HYFT15-2-192PV-78-ML-SD-I/S-F/S | 2×16×6 | 505 m ² | ≤2256*1135mm | | | | |
| HYFT15-2-96PV-78-ML-LD-I/S-F/S | 2×16×3 | 252 m ² | ≤2256*1135mm | | | | |
| HYFT15-2-192PV-78-ML-LD-I/S-F/S | 2×16×6 | 505 m ² | ≤2256*1135mm | 37m/s | -45°~+45° | Astronomical algorithm + position sensor closed loop control | IP65 |

- Compatible with the vast majority of common module on the market, customizable solutions for bifacial and double-glass module.
- According to different customer needs, By adopting different drive plug-ins, there are tilt single axis, adjustable single axis, dual axis and other product categories.
- Light weight, easy installation, affordable, suitable for roofing, courtyard and other household places

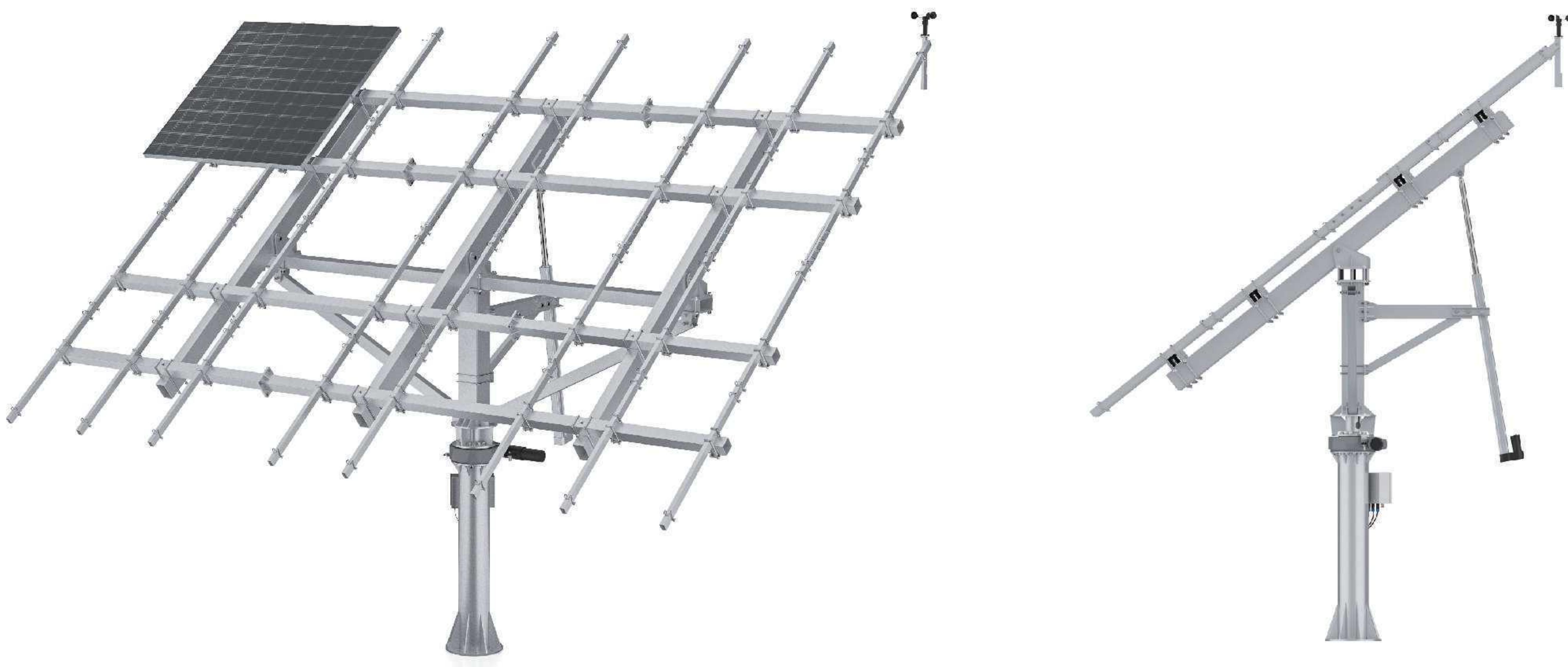


Product Details

HYSM : Multifunction dual axis solar tracker PV : Module number 66 Cells : 300W~375W 78 Cells : 400W~540W 2 LD : linear drive* 2

| Model | Module number | Grid area | Module Size | Wind Load | Azimuth tracking range (°) | Altitude angle tracking range (°) | Control algorithm | Protection level |
|------------------|---------------|-------------------|--------------|-----------|----------------------------|-----------------------------------|--|------------------|
| HYSM-8PV-78-2LD | 2×4 | 21 m ² | ≤2256*1135mm | | | | | |
| HYSM-10PV-66-2LD | 5×2 | 20 m ² | ≤1791*1052mm | | | | | |
| HYSM-10PV-78-2LD | 5×2 | 16 m ² | ≤2256*1135mm | | | | | |
| HYSM-12PV-66-2LD | 3×4 | 23 m ² | ≤1791*1052mm | | | | | |
| HYSM-12PV-78-2LD | 3×4 | 31 m ² | ≤2256*1135mm | | | | | |
| HYSM-16PV-66-2LD | 4×4 | 31 m ² | ≤1791*1052mm | | | | | |
| HYSM-15PV-78-2LD | 3×5 | 39 m ² | ≤2256*1135mm | | | | | |
| HYSM-20PV-66-2LD | 4×5 | 39 m ² | ≤1791*1052mm | 27m/s | -45° ~ +45° / | 0~45° | Astronomical algorithm + position sensor closed loop control | IP65 |

- Compatible with the vast majority of common module on the market
- Customizable solutions for bifacial and double-glass module
- Products cover any combination of photovoltaic module within the interval of 1.2kw-9kw (7-43 m²)
- According to users needs, provide a variety of product solutions, such as ,heavy wind speed design, special weather-resistant design, raised column,etc

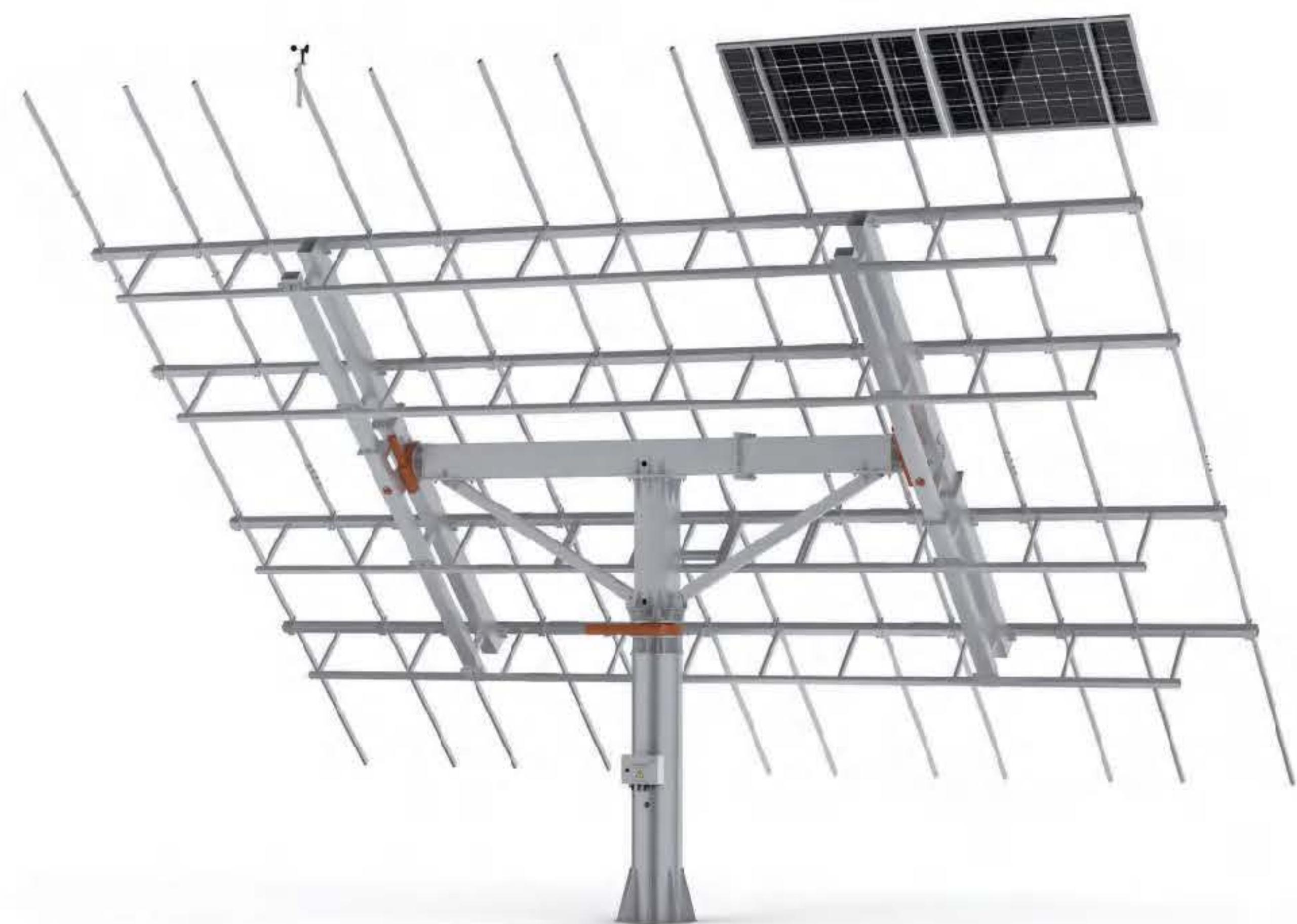


Product Details

HYS : Dual Axis solar tracker PV : Module number 66 Cells : 300w~375w 78 Cells : 400w~540w LSD : Y axis linear drive & X axis slewing driver

| Model | Module number | Grid area | Module Size | Wind Load | Azimuth tracking range (°) | Altitude angle tracking range (°) | Control algorithm | Protection level |
|-----------------|---------------|---------------------|--------------|-----------|---|-----------------------------------|--|------------------|
| HYS-8PV-66-LSD | 2×4 | 15.3 m ² | ≤1791*1052mm | | | | | |
| HYS-8PV-78-LSD | 4×2 | 21 m ² | ≤2256*1135mm | | | | | |
| HYS-9PV-78-LSD | 3×3 | 23.5 m ² | ≤2256*1135mm | | | | | |
| HYS-9PV-66-LSD | 3×3 | 17.3 m ² | ≤1791*1052mm | | | | | |
| HYS-10PV-66-LSD | 2×5 | 19.5 m ² | ≤1791*1052mm | | | | | |
| HYS-10PV-78-LSD | 2×5 | 26 m ² | ≤2256*1135mm | | | | | |
| HYS-12PV-66-LSD | 4×3 | 23 m ² | ≤1791*1052mm | | | | | |
| HYS-12PV-78-LSD | 4×3 | 31.5 m ² | ≤2256*1135mm | | | | | |
| HYS-15PV-66-LSD | 5×3 | 29 m ² | ≤1791*1052mm | | | | | |
| HYS-15PV-78-LSD | 5×3 | 39 m ² | ≤2256*1135mm | 37m/s | -120 ° ~ + 120 ° / - 135 ° ~ + 135 ° (customizable) | 0~60° | Astronomical algorithm + position sensor closed loop control | IP65 |
| HYS-16PV-66-LSD | 4×4 | 33 m ² | ≤1791*1052mm | | | | | |
| HYS-18PV-78-LSD | 6×3 | 47 m ² | ≤2256*1135mm | | | | | |
| HYS-18PV-66-LSD | 3×6 | 35 m ² | ≤1791*1052mm | | | | | |
| HYS-20PV-78-LSD | 5×4 | 52 m ² | ≤2256*1135mm | | | | | |
| HYS-20PV-66-LSD | 5×4 | 42 m ² | ≤1791*1052mm | | | | | |
| HYS-21PV-78-LSD | 3×7 | 55 m ² | ≤2256*1135mm | | | | | |
| HYS-21PV-66-LSD | 3×7 | 40 m ² | ≤1791*1052mm | | | | | |
| HYS-24PV-66-LSD | 6×4 | 50 m ² | ≤1791*1052mm | | | | | |

- Compatible with the vast majority of common module on the market, customizable solutions for bifacial and double-glass module
- The Y-axis adopt multi-point drive solutions, such as, dual-slewing drive or multi-linear drive
- Products cover any combination of photovoltaic module within the interval of 7kw-26kw (55-125 m²)
- According to users needs, provide a variety of product solutions, such as ,heavy wind speed design, special weather-resistant design, raised column,etc

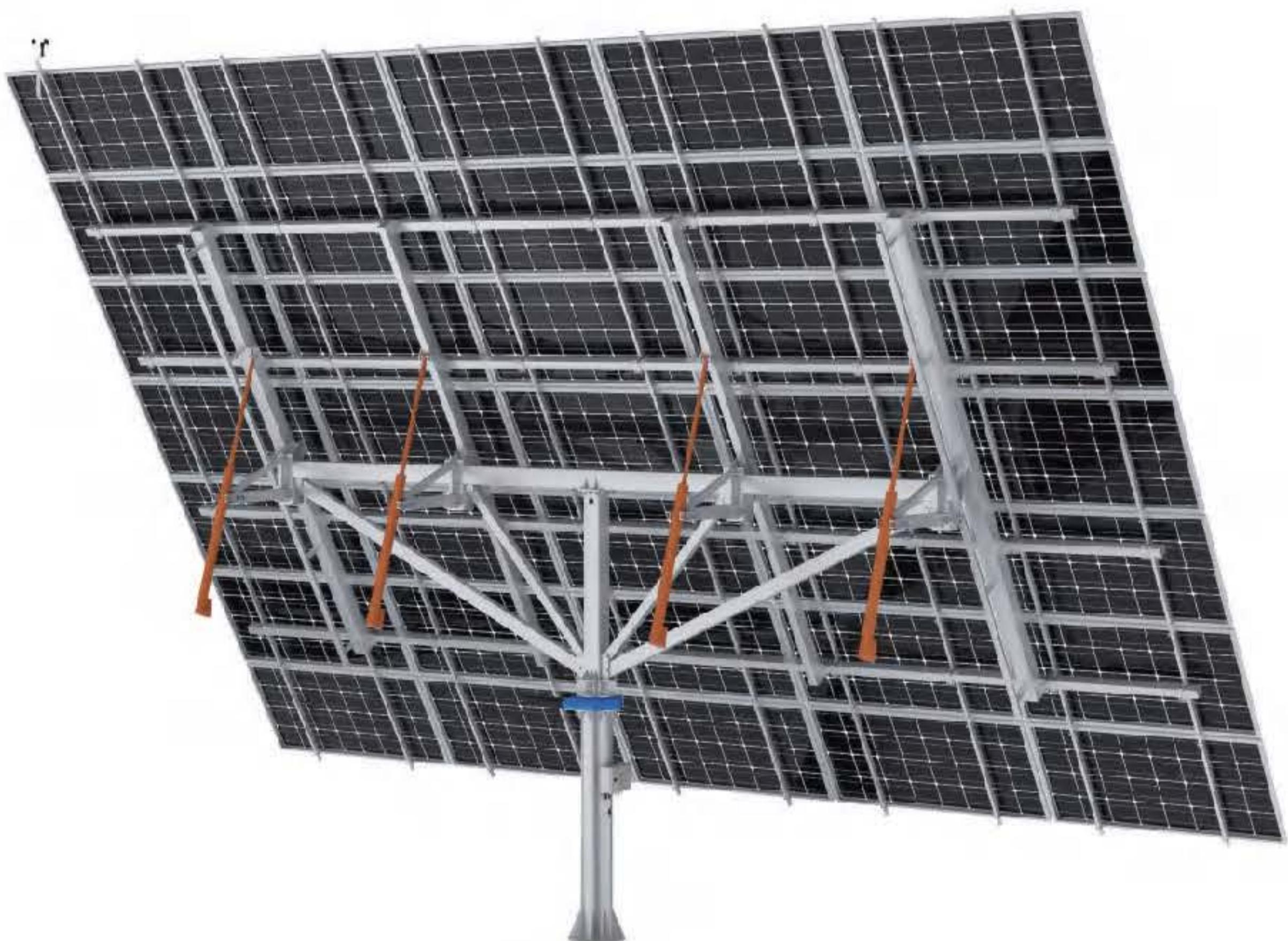


Product Details

HYS : Dual axis solar tracker PV : Module number 66 Cells : 300w~375w 78 Cells : 400w~540w 2 SD : X axis slewing drive *1 & Y axis slewing drive * 2

| Model | Module number | Grid area | Module Size | Wind Load | Azimuth tracking range (°) | Altitude angle tracking range (°) | Control algorithm | Protection level |
|-------------------|---------------|--------------------|--------------|-----------|---|-----------------------------------|--|------------------|
| HYS-28PV-66-M-2SD | 4×7 | 54 m ² | ≤1791*1052mm | | | | | |
| HYS-28PV-78-M-2SD | 7×4 | 73 m ² | ≤2256*1135mm | | | | | |
| HYS-32PV-66-M-2SD | 4×8 | 62 m ² | ≤1791*1052mm | | | | | |
| HYS-32PV-78-M-2SD | 8×4 | 84 m ² | ≤2256*1135mm | | | | | |
| HYS-36PV-78-M-2SD | 4×9 | 94 m ² | ≤2256*1135mm | | | | | |
| HYS-40PV-66-M-2SD | 4×10 | 77 m ² | ≤1791*1052mm | | | | | |
| HYS-45PV-66-M-2SD | 5×9 | 87 m ² | ≤1791*1052mm | 37m/s | -120 ° ~ + 120 ° / - 135 ° ~ + 135 ° (customizable) | 0~60° | Astronomical algorithm + position sensor closed loop control | IP65 |
| HYS-40PV-78-M-2SD | 8×5 | 104 m ² | ≤2256*1135mm | | | | | |
| HYS-45PV-78-M-2SD | 9×5 | 118 m ² | ≤2256*1135mm | | | | | |
| HYS-48PV-66-M-2SD | 8×6 | 93 m ² | ≤1791*1052mm | | | | | |
| HYS-50PV-66-M-2SD | 5×10 | 97 m ² | ≤1791*1052mm | | | | | |
| HYS-48PV-78-M-2SD | 8×6 | 125 m ² | ≤2256*1135mm | | | | | |
| HYS-56PV-66-M-2SD | 8×7 | 108 m ² | ≤1791*1052mm | | | | | |
| HYS-60PV-66-M-2SD | 10×6 | 116 m ² | ≤1791*1052mm | | | | | |

- Compatible with the vast majority of common module on the market, customizable solutions for bifacial and double-glass module
- The Y-axis adopt multi-point drive solutions, such as, dual-slewing drive or multi-linear drive
- Products cover any combination of photovoltaic module within the interval of 7kw-26kw (55-125 m²)
- According to users needs, provide a variety of product solutions, such as ,heavy wind speed design, special weather-resistant design, raised column,etc



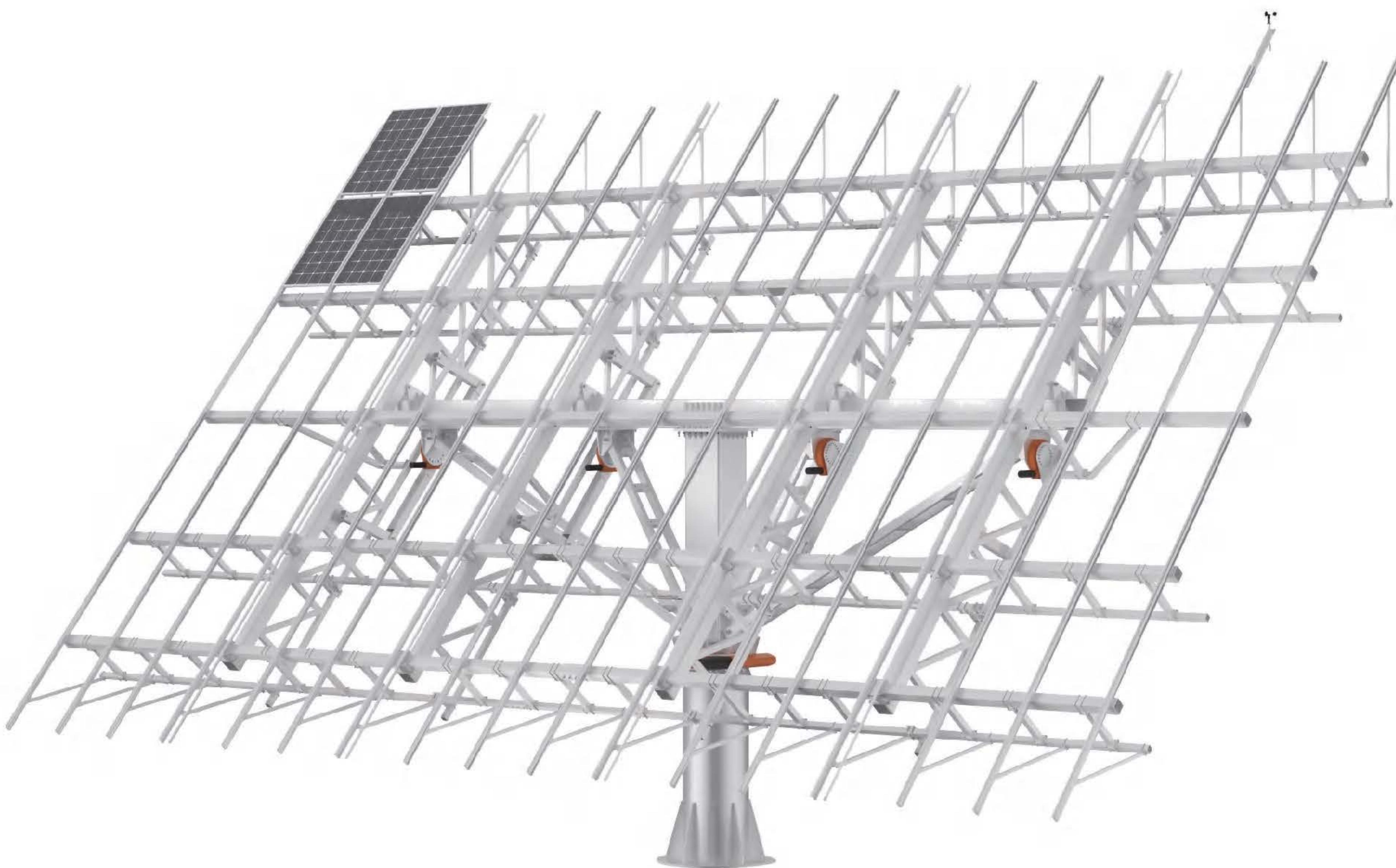
Product Details

HYS : Dual axis solar tracker PV : Module number 66 Cells : 300w~375w 78 Cells : 400w~540w

2/3/4/5 LD : X axis slewing diver * 1 & Y axis linear drive * 2/3/4/5

| Model | Module number | Grid area | Module Size | Wind Load | Azimuth tracking range (°) | Altitude angle tracking range (°) | Control algorithm | Protection level |
|-------------------|---------------|---------------------|--------------|-----------|---|-----------------------------------|--|------------------|
| HYS-24PV-78-M-2LD | 6×4 | 55 m ² | ≤2256*1135mm | | | | | |
| HYS-30PV-66-M-2LD | 6×5 | 58 m ² | ≤1791*1052mm | | | | | |
| HYS-30PV-78-M-3LD | 6×5 | 69 m ² | ≤2256*1135mm | | | | | |
| HYS-36PV-66-M-3LD | 6×6 | 70 m ² | ≤1791*1052mm | 37m/s | -120 ° ~ + 120 ° / - 135 ° ~ + 135 ° (customizable) | 0~60° | Astronomical algorithm + position sensor closed loop control | IP65 |
| HYS-35PV-78-M-4LD | 7×5 | 80 m ² | ≤2256*1135mm | | | | | |
| HYS-42PV-66-M-4LD | 7×6 | 81 m ² | ≤1791*1052mm | | | | | |
| HYS-42PV-78-M-5LD | 7×6 | 96.5 m ² | ≤2256*1135mm | | | | | |
| HYS-49PV-66-M-5LD | 7×7 | 95 m ² | ≤1791*1052mm | | | | | |

- Compatible with the vast majority of common module on the market , customizable solutions for bifacial and double-glass module
- The Y-axis adopt a multi-point drive solution via multiple slewing drivers, for better wind resistance
- Products cover any combination of photovoltaic module within the interval of 19kw-43kw (120-210 m²)
- According to users needs, provide a variety of product solutions, such as ,heavy wind speed design, special weather-resistant design, raised column,etc



Product Details

HYS : Dual axis solar track

PV : Module number

66 Cells : 300w~375w

78 Cells : 400w~540w

4 SD : X axis slewing diver * 1 & Y axis slewing diver * 4

| Model | Module number | Grid area | Module Size | Wind Load | Azimuth tracking range (°) | Altitude angle tracking range (°) | Control algorithm | Protection level |
|--------------------|---------------|--------------------|--------------|-----------|---|-----------------------------------|--|------------------|
| HYS-64PV-66-M-4SD | 8×8 | 124 m ² | ≤1791*1052mm | | | | | |
| HYS-56PV-78-M-4SD | 8×7 | 147 m ² | ≤2256*1135mm | | | | | |
| HYS-78PV-66-M-4SD | 9×8 | 140 m ² | ≤1791*1052mm | | | | | |
| HYS-63PV-78-M-4SD | 9×7 | 165 m ² | ≤2256*1135mm | | | | | |
| HYS-72PV-78-M-4SD | 9×8 | 165 m ² | ≤2256*1135mm | 37m/s | -120 ° ~ + 120 ° / - 135 ° ~ + 135 ° (customizable) | 0~60° | Astronomical algorithm + position sensor closed loop control | IP65 |
| HYS-81PV-66-M-4SD | 9×9 | 156 m ² | ≤1791*1052mm | | | | | |
| HYS-80PV-78-M-4SD | 10×8 | 210 m ² | ≤2256*1135mm | | | | | |
| HYS-90PV-66-M-4SD | 10×9 | 174 m ² | ≤1791*1052mm | | | | | |
| HYS-100PV-66-M-4SD | 10×10 | 194 m ² | ≤1791*1052mm | | | | | |